WHAT IS CLAIMED IS:

1.   A hard disk unit that performs reading and writing data in response to an access from a host equipment, the hard disk unit comprising:

5   an encoder that generates a specific bit string as an encoding key by performing a predetermined arithmetic operation using at least one of identification information relating to the host equipment and identification information relating to a controller device of the host equipment, and encodes data that

10   is to be written with the encoding key; and

a recording unit that records the data encoded by the encoder.

2.   The hard disk unit according to claim 1, wherein the encoder flips bits in each of a data unit to be written, the bits having

15   predetermined correspondence with content of the encoding key.

3.   The hard disk unit according to claim 1, wherein the encoder generates the encoding key by performing a predetermined arithmetic operation using at least one of the identification information relating to the host equipment and the

20   identification information relating to the controller device of the host equipment, and at least one of identification information relating to the hard disk unit and predetermined identification information relating to a user.

4.   The hard disk unit according to claim 1, wherein the encoder

25   halts to encode the data in a case where a predetermined

cancellation code is input.

5.   The hard disk unit according to claim 2 further comprising a decoder that decodes the encoded data recorded in the recording unit by flipping bits in each of the data unit, the bits having the predetermined correspondence with content of the encoding key.

6.   An information processing method using a hard disk unit that performs reading and writing data in response to an access from a host equipment, the method comprising:

        generating a specific bit string as an encoding key by performing a predetermined arithmetic operation using at least one of identification information relating to the host equipment and identification information relating to a controller device of the host equipment;

        encoding data that is to be written with the encoding key; and

        recording the encoded data.

7.   The information processing method according to claim 6, wherein the encoding of the data is performed by flipping bits in each of a data unit to be written, the bits having predetermined correspondence with content of the encoding key.

8.   The information processing method according to claim 6, wherein the generating of the encoding key is performed by a predetermined arithmetic operation using at least one of the identification information relating to the host equipment and

the identification information relating to the controller device of the host equipment, and at least one of identification information relating to the hard disk unit and predetermined identification information relating to a user.

5   9.   The information processing method according to claim 6, wherein the encoding of the data is halted in a case where a predetermined cancellation code is input.

10.   The information processing method according to claim 7, further comprising decoding the encoded data by flipping bits
10   in each of the data unit, the bits having the predetermined correspondence with content of the encoding key.

11.   An information processing program for controlling a computer to perform reading and writing data on and from a hard disk unit in response to an access from a host equipment, the
15   program comprising:

    generating a specific bit string as an encoding key by performing a predetermined arithmetic operation using at least one of identification information relating to the host equipment and identification information relating to a controller device
20   of the host equipment;

    encoding data that is to be written with the encoding key; and

    recording the encoded data.

12.   The information processing program according to claim 11,
25   wherein the encoding of the data is performed by flipping bits

in each of a data unit to be written, the bits having predetermined correspondence with content of the encoding key.

13.   The information processing program according to claim 11, wherein the generating of the encoding key is performed by a predetermined arithmetic operation using at least one of the identification information relating to the host equipment and the identification information relating to the controller device of the host equipment, and at least one of identification information relating to the hard disk unit and predetermined identification information relating to a user.

14.   The information processing program according to claim 11, wherein the encoding of the data is halted in a case where a predetermined cancellation code is input.

15.   The information processing program according to claim 12, further comprising decoding the encoded data by flipping bits in each of the data unit, the bits having the predetermined correspondence with content of the encoding key.